

Arecibo Area, Puerto Rico Northern Part
Chemical Properties of the Soils

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(Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
AaC:								
Aceitunas-----	0-6	---	3.0-6.0	3.5-5.5	0	0	0	0
	6-65	---	25-30	3.5-5.5	0	0	0	0
AcC:								
Aceitunas-----	0-6	---	3.0-6.0	3.5-5.5	0	0	0	0
	6-65	---	25-30	3.5-5.5	0	0	0	0
AdF2:								
Adjuntas-----	0-24	---	4.0-7.0	3.5-5.5	0	0	0	0
	24-48	---	---	---	---	---	---	---
AgC:								
Algarrobo-----	0-11	---	1.0-2.0	3.5-5.5	0	0	0	0
	11-32	---	0.0-2.0	3.5-5.5	0	0	0	0
	32-37	---	0.0-2.0	3.5-5.5	0	0	0	0
	37-68	---	0.0-2.0	3.5-5.5	0	0	0	0
	68-80	---	1.0-5.0	3.5-5.5	0	0	0	0
AlB:								
Almirante-----	0-6	---	5.0-7.0	3.5-5.5	0	0	0	0
	6-64	---	3.0-5.0	3.5-5.5	0	0	0	0
AlC:								
Almirante-----	0-6	---	5.0-7.0	3.5-5.5	0	0	0	0
	6-64	---	3.0-5.0	3.5-5.5	0	0	0	0

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
AmB:								
Almirante-----	0-6	---	5.0-7.0	3.5-5.5	0	0	0	0
	6-64	---	3.0-5.0	3.5-5.5	0	0	0	0
AmC:								
Almirante-----	0-6	---	5.0-7.0	3.5-5.5	0	0	0	0
	6-64	---	3.0-5.0	3.5-5.5	0	0	0	0
AnB:								
Almirante-----	0-6	---	5.0-7.0	3.5-5.5	0	0	0	0
	6-64	---	3.0-5.0	3.5-5.5	0	0	0	0
AnC:								
Almirante-----	0-6	---	5.0-7.0	3.5-5.5	0	0	0	0
	6-64	---	3.0-5.0	3.5-5.5	0	0	0	0
AoD2:								
Alonso-----	0-7	---	9.0-10	4.5-5.5	0	0	0	0
	7-45	---	6.0-10	4.5-5.5	0	0	0	0
	45-60	---	6.0-8.0	4.5-5.5	0	0	0	0
AoE2:								
Alonso-----	0-7	---	9.0-10	4.5-5.5	0	0	0	0
	7-45	---	6.0-10	4.5-5.5	0	0	0	0
	45-60	---	6.0-8.0	4.5-5.5	0	0	0	0
AoF2:								
Alonso-----	0-7	---	9.0-10	4.5-5.5	0	0	0	0
	7-45	---	6.0-10	4.5-5.5	0	0	0	0
	45-60	---	6.0-8.0	4.5-5.5	0	0	0	0

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
ArC:								
Arecibo-----	0-12	---	0.0-2.0	3.5-5.5	0	0	0	0
	12-68	---	0.0-2.0	3.5-5.5	0	0	0	0
	68-82	---	1.0-5.0	3.5-5.5	0	0	0	0
	82-99	---	0.0-2.0	3.5-5.5	0	0	0	0
Ba:								
Bajura-----	0-7	30-40	---	5.6-6.5	0	0	0	0
	7-60	25-35	---	5.6-6.5	0	0	0	0
BcB:								
Bayamon-----	0-11	---	3.0-15	4.5-5.5	0	0	0	0
	11-65	---	4.0-14	4.5-5.5	0	0	0	0
BcC:								
Bayamon-----	0-11	---	3.0-15	4.5-5.5	0	0	0	0
	11-65	---	4.0-14	4.5-5.5	0	0	0	0
BsB:								
Bayamon-----	0-11	---	3.0-15	4.5-5.5	0	0	0	0
	11-65	---	4.0-14	4.5-5.5	0	0	0	0
BsC:								
Bayamon-----	0-11	---	3.0-15	4.5-5.5	0	0	0	0
	11-65	---	4.0-14	4.5-5.5	0	0	0	0
ByB:								
Bayamon-----	0-11	---	3.0-15	4.5-5.5	0	0	0	0
	11-65	---	4.0-14	4.5-5.5	0	0	0	0

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
ByC:								
Bayamon-----	0-11	---	3.0-15	4.5-5.5	0	0	0	0
	11-65	---	4.0-14	4.5-5.5	0	0	0	0
CaF:								
Caguabo-----	0-6	25-40	---	6.1-6.5	0	0	0	0
	6-13	25-40	---	6.1-6.5	0	0	0	0
	13-18	---	---	---	---	---	---	---
	18-22	---	---	---	---	---	---	---
CbF:								
Caguabo-----	0-6	25-40	---	6.1-6.5	0	0	0	0
	6-13	25-40	---	6.1-6.5	0	0	0	0
	13-18	---	---	---	---	---	---	---
	18-22	---	---	---	---	---	---	---
Rock Outcrop-----	0-60	---	---	---	---	---	---	---
CcD:								
Caracoles-----	0-6	8.0-20	---	6.6-7.3	0	0	0	0
	6-10	---	---	---	---	---	---	---
CcE:								
Caracoles-----	0-6	8.0-20	---	6.6-7.3	0	0	0	0
	6-10	---	---	---	---	---	---	---
CeC:								
Carrizales-----	0-8	---	1.0-5.0	4.5-5.5	0	0	0	0
	8-60	---	0.0-5.0	4.5-5.5	0	0	0	0

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Cf:								
Catano-----	0-60	0.0-10	---	7.9-8.4	10-50	0	0	0
	60-64	0.0-10	---	7.9-8.4	10-50	0	0	0
Cg:								
Coastal Beaches-----	0-6	---	---	5.1-7.8	0	0	4.0-32.0	0
	6-80	---	---	5.1-7.8	0	0	4.0-32.0	0
ClD2:								
Colinas-----	0-8	25-37	---	7.9-8.4	40-70	0	0	0
	8-21	2.0-19	---	7.9-8.4	70-90	0	0	0
	21-60	---	---	---	0	0	0	0
ClE2:								
Colinas-----	0-8	25-37	---	7.9-8.4	40-70	0	0	0
	8-21	2.0-19	---	7.9-8.4	70-90	0	0	0
	21-60	---	---	---	0	0	0	0
ClF2:								
Colinas-----	0-8	25-37	---	7.9-8.4	40-70	0	0	0
	8-21	2.0-19	---	7.9-8.4	70-90	0	0	0
	21-60	---	---	---	0	0	0	0
CmF2:								
Colinas-----	0-8	25-37	---	7.9-8.4	40-70	0	0	0
	8-21	2.0-19	---	7.9-8.4	70-90	0	0	0
	21-60	---	---	---	0	0	0	0
Cn:								
Coloso-----	0-7	22-30	---	5.6-6.5	0	0	0	0
	7-60	20-28	---	5.6-6.5	0	0	0	0

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CoE:								
Consejo-----	0-5	---	12-18	3.5-5.0	0	0	0	0
	5-18	---	10-18	3.5-5.0	0	0	0	0
	18-28	---	7.0-10	3.5-5.0	0	0	0	0
	28-60	---	6.0-10	3.5-5.0	0	0	0	0
CoF:								
Consejo-----	0-5	---	12-18	3.5-5.0	0	0	0	0
	5-18	---	10-18	3.5-5.0	0	0	0	0
	18-28	---	7.0-10	3.5-5.0	0	0	0	0
	28-60	---	6.0-10	3.5-5.0	0	0	0	0
CpE:								
Consumo-----	0-6	---	9.0-17	4.5-5.0	0	0	0	0
	6-18	---	9.0-17	4.5-5.0	0	0	0	0
	18-50	---	8.0-19	4.5-5.0	0	0	0	0
CpF:								
Consumo-----	0-6	---	9.0-17	4.5-5.0	0	0	0	0
	6-18	---	9.0-17	4.5-5.0	0	0	0	0
	18-50	---	8.0-19	4.5-5.0	0	0	0	0
CrC:								
Corozal-----	0-6	---	20-25	4.5-5.0	0	0	0	0
	6-41	---	12-28	4.5-5.0	0	0	0	0
	41-60	---	32-35	4.5-5.0	0	0	0	0

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CsC:								
Corozo-----	0-12	---	1.0-2.0	3.5-5.5	0	0	0	0
	12-18	---	0.0-2.0	3.5-5.5	0	0	0	0
	18-24	---	1.0-3.0	3.5-5.5	0	0	0	0
	24-33	---	3.0-8.0	3.5-5.5	0	0	0	0
	33-60	---	2.0-6.0	3.5-5.5	0	0	0	0
CtB:								
Coto-----	0-8	---	5.0-11	5.1-5.5	0	0	0	0
	8-75	---	2.0-8.0	4.5-5.5	0	0	0	0
CtC:								
Coto-----	0-8	---	5.0-11	5.1-5.5	0	0	0	0
	8-75	---	2.0-8.0	4.5-5.5	0	0	0	0
CuF:								
Cuchillas-----	0-16	---	4.0-7.0	4.5-5.0	0	0	0	0
	16-28	---	---	---	---	---	---	---
	28-32	---	---	---	---	---	---	---
CvF:								
Cuchillas-----	0-16	---	4.0-7.0	4.5-5.0	0	0	0	0
	16-28	---	---	---	---	---	---	---
	28-32	---	---	---	---	---	---	---
Rock Outcrop-----	0-60	---	---	---	---	---	---	---
DaD2:								
Daguey-----	0-8	---	5.0-20	4.5-5.5	0	0	0	0
	8-56	---	6.0-23	4.5-5.5	0	0	0	0
	56-68	---	7.0-12	4.5-5.5	0	0	0	0

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
EaB:								
Espinosa-----	0-10	---	2.0-4.0	4.5-5.5	0	0	0	0
	10-66	---	2.0-4.0	4.5-5.5	0	0	0	0
EaC:								
Espinosa-----	0-10	---	2.0-4.0	4.5-5.5	0	0	0	0
	10-66	---	2.0-4.0	4.5-5.5	0	0	0	0
EbB:								
Espinosa-----	0-10	---	2.0-4.0	4.5-5.5	0	0	0	0
	10-66	---	2.0-4.0	4.5-5.5	0	0	0	0
EbC:								
Espinosa-----	0-10	---	2.0-4.0	4.5-5.5	0	0	0	0
	10-66	---	2.0-4.0	4.5-5.5	0	0	0	0
EcB:								
Espinosa-----	0-10	---	2.0-4.0	4.5-5.5	0	0	0	0
	10-66	---	2.0-4.0	4.5-5.5	0	0	0	0
EcC:								
Espinosa-----	0-10	---	2.0-4.0	4.5-5.5	0	0	0	0
	10-66	---	2.0-4.0	4.5-5.5	0	0	0	0
Es:								
Estacion-----	0-8	20-24	---	5.6-6.5	0	0	0	0
	8-20	24-25	---	5.6-6.5	0	0	0	0
	20-50	2.0-10	---	5.6-6.5	0	0	0	0

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Ga:								
Garrochales-----	0-46	178-206	---	5.1-6.5	0	0	0	0
	46-56	80-100	---	7.9-9.0	0	0	0	0
	56-74	178-205	---	6.6-7.3	0	0	0	0
GeC:								
Guerrero-----	0-10	1.0-2.0	---	5.6-6.0	0	0	0	0
	10-24	0.0-2.0	---	5.6-6.0	0	0	0	0
	24-43	---	1.0-6.0	5.1-5.5	0	0	0	0
	43-58	---	5.0-8.0	4.5-5.5	0	0	0	0
HD:								
Hydraquents-----	0-60	---	---	---	---	---	16.0-32.0	---
HmE:								
Humatas-----	0-5	---	9.0-17	4.5-5.5	0	0	0	0
	5-30	---	3.0-14	4.5-5.5	0	0	0	0
	30-56	---	3.0-17	4.5-5.5	0	0	0	0
HmF:								
Humatas-----	0-5	---	9.0-17	4.5-5.5	0	0	0	0
	5-30	---	3.0-14	4.5-5.5	0	0	0	0
	30-56	---	3.0-17	4.5-5.5	0	0	0	0
HS:								
Hydraquents-----	0-60	---	---	---	---	---	8.0-16.0	---

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
InD:								
Ingenio-----	0-6	---	10-18	4.5-5.0	0	0	0	0
	6-38	---	13-21	4.5-5.0	0	0	0	0
	38-60	---	21-25	4.5-5.0	0	0	0	0
	60-64	---	24-29	4.5-5.0	0	0	0	0
InE:								
Ingenio-----	0-6	---	10-18	4.5-5.0	0	0	0	0
	6-38	---	13-21	4.5-5.0	0	0	0	0
	38-60	---	21-25	4.5-5.0	0	0	0	0
	60-64	---	24-29	4.5-5.0	0	0	0	0
IsC:								
Islote-----	0-8	9.0-21	---	5.6-7.3	0	0	0	0
	8-30	20-24	---	6.1-7.3	0	0	0	0
	30-34	---	---	---	---	---	---	---
Ja:								
Jareales-----	0-6	30-50	---	6.6-7.3	0	0	0	0
	6-28	25-45	---	6.6-7.3	0	0	0	0
	28-60	170-210	---	6.1-6.5	0	0	0	0
JoC:								
Jobos-----	0-8	---	1.0-2.0	5.1-5.5	0	0	0	0
	8-55	---	7.0-10	5.1-5.5	0	0	0	0
JuD2:								
Juncal-----	0-8	24-30	---	5.6-6.5	0	0	0	0
	8-40	24-30	---	7.4-8.4	0	0	0	0
	40-60	20-28	---	8.5-9.0	0	0	0	0

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
JuE2:								
Juncal-----	0-8	24-30	---	5.6-6.5	0	0	0	0
	8-40	24-30	---	7.4-8.4	0	0	0	0
	40-60	20-28	---	8.5-9.0	0	0	0	0
LcE2:								
Lirios-----	0-6	---	18-24	4.5-5.5	0	0	0	0
	6-24	---	10-18	4.5-5.5	0	0	0	0
	24-60	---	7.0-10	4.5-5.5	0	0	0	0
LcF2:								
Lirios-----	0-6	---	18-24	4.5-5.5	0	0	0	0
	6-24	---	10-18	4.5-5.5	0	0	0	0
	24-60	---	7.0-10	4.5-5.5	0	0	0	0
LDF:								
Landfill-----	---	---	---	---	---	---	---	---
LgD:								
Los Guineos-----	0-6	---	12-23	3.5-5.0	0	0	0	0
	6-62	---	3.0-6.0	3.5-5.0	0	0	0	0
LgE:								
Los Guineos-----	0-6	---	12-23	3.5-5.0	0	0	0	0
	6-62	---	3.0-6.0	3.5-5.0	0	0	0	0
LgF:								
Los Guineos-----	0-6	---	12-23	3.5-5.0	0	0	0	0
	6-62	---	3.0-6.0	3.5-5.0	0	0	0	0

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
LME:								
Los Guineos-----	0-6	---	12-23	3.5-5.0	0	0	0	0
	6-62	---	3.0-6.0	3.5-5.0	0	0	0	0
Maricao-----	0-6	---	12-23	3.5-5.0	0	0	0	0
	6-20	---	10-20	3.5-5.0	0	0	0	0
	20-60	---	8.0-12	3.5-5.0	0	0	0	0
Rock Outcrop-----	0-60	---	---	---	---	---	---	---
MaF2:								
Maraguez-----	0-7	25-38	---	5.6-6.5	0	0	0	0
	7-21	20-25	---	5.6-6.5	0	0	0	0
	21-60	15-20	---	5.6-6.5	0	0	0	0
McF:								
Maricao-----	0-6	---	12-23	3.5-5.0	0	0	0	0
	6-20	---	10-20	3.5-5.0	0	0	0	0
	20-60	---	8.0-12	3.5-5.0	0	0	0	0
MnF:								
Matanzas-----	0-8	12-21	---	5.6-7.3	0	0	0	0
	8-42	7.0-10	---	5.6-7.3	0	0	0	0
	42-46	---	---	---	---	---	---	---
Rock Outcrop-----	0-60	---	---	---	---	---	---	---
MnB:								
Matanzas-----	0-8	12-21	---	5.6-7.3	0	0	0	0
	8-42	7.0-10	---	5.6-7.3	0	0	0	0
	42-46	---	---	---	---	---	---	---

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
MoC2:								
Moca-----	0-6	---	12-22	4.5-5.0	0	0	0	0
	6-30	---	12-20	4.5-5.0	0	0	0	0
	30-60	---	12-20	4.5-5.0	0	0	0	0
MoD2:								
Moca-----	0-6	---	12-22	4.5-5.0	0	0	0	0
	6-30	---	12-20	4.5-5.0	0	0	0	0
	30-60	---	12-20	4.5-5.0	0	0	0	0
MoE2:								
Moca-----	0-6	---	12-22	4.5-5.0	0	0	0	0
	6-30	---	12-20	4.5-5.0	0	0	0	0
	30-60	---	12-20	4.5-5.0	0	0	0	0
MpF2:								
Morado-----	0-9	48-63	---	6.1-7.3	0	0	0	0
	9-22	48-60	---	6.1-7.3	0	0	0	0
	22-36	45-53	---	6.1-7.3	0	0	0	0
	36-40	---	---	---	---	---	---	---
MuE:								
Mucara-----	0-6	---	---	5.6-7.3	---	---	0	---
	6-13	---	---	5.6-7.3	---	---	0	---
	13-27	---	---	---	---	---	---	---
	27-31	---	---	---	---	---	---	---

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
MuF:								
Mucara-----	0-6	---	---	5.6-7.3	---	---	0	---
	6-13	---	---	5.6-7.3	---	---	0	---
	13-27	---	---	---	---	---	---	---
	27-31	---	---	---	---	---	---	---
NaD:								
Naranjo-----	0-8	15-25	---	7.9-8.4	25-40	0	0	0
	8-22	15-25	---	7.9-8.4	40-50	0	0	0
	22-60	15-25	---	7.9-8.4	40-60	0	0	0
NaE:								
Naranjo-----	0-8	15-25	---	7.9-8.4	25-40	0	0	0
	8-22	15-25	---	7.9-8.4	40-50	0	0	0
	22-60	15-25	---	7.9-8.4	40-60	0	0	0
NaF:								
Naranjo-----	0-8	15-25	---	7.9-8.4	25-40	0	0	0
	8-22	15-25	---	7.9-8.4	40-50	0	0	0
	22-60	15-25	---	7.9-8.4	40-60	0	0	0
Pa:								
Palmar-----	0-75	175-210	---	6.1-7.3	0	0	0	0
PeF:								
Pellejas-----	0-6	---	31-45	4.5-5.5	0	0	0	0
	6-11	---	22-39	4.5-5.5	0	0	0	0
	11-16	---	15-20	4.5-5.5	0	0	0	0
	16-62	---	5.0-20	4.5-5.5	0	0	0	0

Chemical Properties of the Soils--Continued

[illegible]

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Ro: Rock Outcrop-----	0-60	---	---	---	---	---	---	---
Rr: Rock Outcrop-----	0-60	---	---	---	---	---	---	---
RsF: Rock Outcrop-----	0-60	---	---	---	---	---	---	---
San German-----	0-3	15-30	---	7.4-8.4	20-40	0	0.0-2.0	0-2
	3-10	10-20	---	7.4-8.4	40-80	0	0.0-2.0	0-2
	10-14	---	---	---	---	---	---	---
RtF: Rock Outcrop-----	0-60	---	---	---	---	---	---	---
Tanama-----	0-5	25-40	---	6.1-6.5	0	0	0	0
	5-16	25-40	---	6.1-6.5	0	0	0	0
	16-20	---	---	---	---	---	---	---
SaB: Sabana Seca-----	0-10	---	11-17	3.5-5.0	0	0	0	0
	10-70	---	10-17	3.5-5.0	0	0	0	0
SgD: San German-----	0-3	15-30	---	7.4-8.4	20-40	0	0.0-2.0	0-2
	3-10	10-20	---	7.4-8.4	40-80	0	0.0-2.0	0-2
	10-14	---	---	---	---	---	---	---

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
SgF:								
San German-----	0-3	15-30	---	7.4-8.4	20-40	0	0.0-2.0	0-2
	3-10	10-20	---	7.4-8.4	40-80	0	0.0-2.0	0-2
	10-14	---	---	---	---	---	---	---
SmF:								
San Sebastian-----	0-6	24-30	---	7.4-8.4	40-60	0	0	0
	6-55	24-30	---	7.4-8.4	40-60	0	0	0
SnC:								
Santa Clara-----	0-9	26-32	---	6.6-7.3	0-10	0	0	0
	9-33	20-28	---	7.4-7.8	10-15	0	0	0
	33-37	---	---	---	---	---	---	---
SNS:								
(soils Not Surveyed)-	---	---	---	---	---	---	---	---
SoC:								
Soller-----	0-5	25-35	---	7.9-8.4	0-2	0	0	0
	5-25	25-40	---	7.9-8.4	1-5	0	0	0
	25-29	---	---	---	---	---	---	---
SoD:								
Soller-----	0-5	25-35	---	7.9-8.4	0-2	0	0	0
	5-25	25-40	---	7.9-8.4	1-5	0	0	0
	25-29	---	---	---	---	---	---	---
SoF:								
Soller-----	0-5	25-35	---	7.9-8.4	0-2	0	0	0
	5-25	25-40	---	7.9-8.4	1-5	0	0	0
	25-29	---	---	---	---	---	---	---

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
SpD: Soller-----	0-5	25-35	---	7.9-8.4	0-2	0	0	0
	5-25	25-40	---	7.9-8.4	1-5	0	0	0
	25-29	---	---	---	---	---	---	---
SpF: Soller-----	0-5	25-35	---	7.9-8.4	0-2	0	0	0
	5-25	25-40	---	7.9-8.4	1-5	0	0	0
	25-29	---	---	---	---	---	---	---
SrF: Soller-----	0-5	25-35	---	7.9-8.4	0-2	0	0	0
	5-25	25-40	---	7.9-8.4	1-5	0	0	0
	25-29	---	---	---	---	---	---	---
Rock Outcrop-----	0-60	---	---	---	---	---	---	---
TaB: Tanama-----	0-5	25-40	---	6.1-6.5	0	0	0	0
	5-16	25-40	---	6.1-6.5	0	0	0	0
	16-20	---	---	---	---	---	---	---
TaC2: Tanama-----	0-5	25-40	---	6.1-6.5	0	0	0	0
	5-16	25-40	---	6.1-6.5	0	0	0	0
	16-20	---	---	---	---	---	---	---
TaD2: Tanama-----	0-5	25-40	---	6.1-6.5	0	0	0	0
	5-16	25-40	---	6.1-6.5	0	0	0	0
	16-20	---	---	---	---	---	---	---

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Tb: Tiburones-----	0-84	220-336	---	4.5-7.3	0-5	0	0	0
To: Toa-----	0-8	23-27	---	5.1-7.3	0	0	0	0
	8-18	23-27	---	5.1-7.3	0	0	0	0
	18-33	21-27	---	5.1-7.3	0	0	0	0
	33-63	20-30	---	6.6-7.8	0	0	0	0
TP: Tropopsamments-----	0-60	0.0-10	---	7.4-8.4	10-15	0	0.0-2.0	0
Ur: Urban Land-----	0-6	---	---	---	---	---	0	---
VaB: Vega Alta-----	0-8	---	15-24	5.1-5.5	0	0	0	0
	8-70	---	13-25	4.5-5.5	0	0	0	0
VaC2: Vega Alta-----	0-8	---	15-24	5.1-5.5	0	0	0	0
	8-70	---	13-25	4.5-5.5	0	0	0	0
VcB: Vega Alta-----	0-8	---	15-24	5.1-5.5	0	0	0	0
	8-70	---	13-25	4.5-5.5	0	0	0	0
VcC2: Vega Alta-----	0-8	---	15-24	5.1-5.5	0	0	0	0
	8-70	---	13-25	4.5-5.5	0	0	0	0

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
VeB:								
Vega Baja-----	0-8	10-14	---	4.5-6.5	0	0	0	0
	8-48	14-19	---	4.5-6.5	0	0	0	0
	48-70	---	---	5.1-6.5	---	---	0	---
Vg:								
Vigia-----	0-18	175-210	---	5.6-6.5	0	0	0	0
	18-60	30-50	---	5.1-6.5	0	0	0	0
Vm:								
Vivi-----	0-7	---	30-50	4.5-5.5	0	0	0	0
	7-14	---	25-40	4.5-5.5	0	0	0	0
	14-25	---	25-40	4.5-5.5	0	0	0	0
	25-60	---	15-30	4.5-5.5	0	0	0	0
VoC2:								
Voladora-----	0-8	---	19-24	3.5-4.4	0	0	0	0
	8-33	---	19-30	3.5-5.5	0	0	0	0
	33-50	---	19-24	3.5-5.5	0	0	0	0
VoD2:								
Voladora-----	0-8	---	19-24	3.5-4.4	0	0	0	0
	8-33	---	19-30	3.5-5.5	0	0	0	0
	33-50	---	19-24	3.5-5.5	0	0	0	0
VoE2:								
Voladora-----	0-8	---	19-24	3.5-4.4	0	0	0	0
	8-33	---	19-30	3.5-5.5	0	0	0	0
	33-50	---	19-24	3.5-5.5	0	0	0	0